GOVERNMENT OF INDIA
WATER RESOURCES
LOK SABHA

UNSTARRED QUESTION NO:3795
ANSWERED ON:22.08.2005
STUDY BY CGWB IN UPPER GANGA CANAL
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Will the Minister of WATER RESOURCES be pleased to state:

(a) whether the Central Ground Water Board (CGWB) has found a subterranean path of ground water in the belt around the upper Ganga canal;

(b) if so, the details thereof;

(c) whether any feasibility study has been conducted to check the quantity and quality of this vast ground water resources;

(d) if so, the details thereof; and

(e) by when work in this direction is likely to be taken up?

Answer

THE MINISTER OF STATE IN THE MINISTRY OF WATER RESOURCES (SHRI JAI PRAKASH NARAYAN YADAV)

(a)&(b) Based on ground water surveys and exploration carried out by the Central Ground Water Board (CGWB), an area of 250 sq. km. along Upper Ganga Canal has been identified which has potential for development of deeper aquifers. The identified area extends from Bhola (North of Jani) in Meerut district to Muradnagar in Ghaziabad district in Uttar Pradesh along the Upper Ganga Canal. The study has revealed that deeper aquifer between 100 and 250 m. is unutilized and is separated from top aquifer by a thick clay bed varying in thickness from 18 to 55 m. The deeper aquifer is under high artesian head and ultimate discharge is in the saline belts in South West.

(c) to (e) From the studies carried out by CGWB, it has been established that quality of deeper aquifer shows deterioration due to base exchange from the clay formation. Flow of ground water is very slow and over a very long period of time, salinity increases in southward direction. The present quality in identified area is potable and aquifers have high hydraulic conductivity with tubewells capable of yielding upto 3000 liters per minute (LPM).

Since the identified area is under the jurisdiction of Government of Uttar Pradesh, further action is to be taken by the State Government.